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Indian Standard
SPECIFICATION FOR
PLASTIC WOOD FOR JOINERS
FILLER

(*Revised*)

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INDIAN STANDARDS INSTITUTION
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002

September 1961



Indian Standard

SPECIFICATION FOR PLASTIC WOOD FOR JOINERS FILLER

(Revised)

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Indian Standard

SPECIFICATION FOR PLASTIC WOOD FOR JOINERS FILLER

(Revised)

0. FOREWORD

0.1 This revised Indian Standard was adopted by the Indian Standards Institution on 30 June 1961, after the draft finalized by the Paints and Allied Products Sectional Committee had been approved by the Chemical Division Council.

0.2 This standard was originally issued in 1953 and was based on the *interim* co-ordinated draft, compiled with the assistance of the representatives of manufacturers and of various departments and authorities of the Government of India, by the Co-ordinating Subcommittee of the No. 5 Standing Committee on Specifications for Paints and Allied Stores, of the General Headquarters, India (now Army Headquarters), Master General of the Ordnance Branch, which was set up in 1942 and continued to function till 1947. In this revision, ample consideration has been given to rectification of anomalies in the composition of the material. Besides, all other changes found necessary through the use of the original standard have been incorporated. Opportunity, while revising, has also been taken to prescribe metric values in place of the existing fps figures.

0.2.1 Full alignment of JSS 3075 Specification for Wood Plastic, issued by the Department of Standardization, Ministry of Defence, Government of India, has also been achieved with this Indian Standard as it fully covers the requirements prescribed in JSS 3075.

0.3 Wherever a reference to any Indian Standard appears in this specification; it shall be taken as a reference to the latest version of the standard.

0.4 This standard is one of a series of Indian Standard Specifications on fillers, stoppers and putties. Other specifications published in this series are:

*IS : 110-1950 READY MIXED PAINT, BRUSHING, GREY FILLER, FOR ENAMELS, FOR USE OVER PRIMERS

*Since revised.

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IS : 345-1952 WOOD FILLER, TRANSPARENT, LIQUID

*IS : 419-1953 PUTTY, FOR USE ON WOODEN FRAMES

†IS : 420-1953 PUTTY, FOR USE ON METAL FRAMES

IS : 421-1953 JOINTING PASTE, FOR BEDDING MOULDINGS ON COACHING STOCK

IS : 425-1953 SHELLAC ADHESIVES FOR STEAM FLANGE JOINTS

IS : 426-1961 PASTE FILLER FOR COLOUR COATS (*Revised*)

0.5 Metric system has been adopted in India and all quantities and dimensions are given in this system.

0.6 For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS : 2-1960 Rules for Rounding Off Numerical Values (*Revised*). The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

0.7 This standard is intended chiefly to cover the technical provisions relating to the supply of material, and it does not include all the necessary provisions of a contract.

1. SCOPE

1.1 This standard prescribes the requirements and the methods of test for the material commercially known as plastic wood, for joiners filler. The material is used for filling holes, cracks and other similar irregularities in wood to produce a smooth surface capable of taking suitable stain to match timber.

2. TERMINOLOGY

2.1 For the purpose of this standard, the definitions given in *IS : 1303-1958 Glossary of Terms Relating to Paints shall apply.

3. SAMPLING

3.1 The supplier shall submit a tender sample packed in three different containers each containing not less than 500 g of the material.

3.2 Representative samples of the material shall be drawn as prescribed under **3** of IS : 85-1950 Methods of Test for Oil Pastes for Paints.

*Since revised.

†Since withdrawn.

4. REQUIREMENTS

4.1 Form and Condition — The material shall be homogeneous and shall be free from grit and other visible impurities.

4.2 Description — The material shall consist of the following ingredients mixed in the proportions by weight specified below, forming a paste which shall comply with the requirements of this standard:

- | | |
|---|-----------|
| a) Nitrocellulose syrup, percent, <i>Min</i> | 77 |
| b) Wood dust, passing through IS Sieve 15 (aperture
151 microns) with a maximum moisture content of
5 percent | Remainder |

4.2.1 Nitrocellulose Syrup — The syrup used in the material shall consist of nitrocellulose, suitable resins, plasticizers, solvent and diluent.

4.3 Consistency — The material shall be in such a condition that it can be easily worked into a smooth, uniform paste suitable for application by a palette knife for filling.

4.4 Performance — The material, 24 hours after application, shall be in such a condition that it has not shrunk unduly, cracked or fallen away from the wooden surfaces to which it be applied. Furthermore, it shall be capable of being worked by a chisel, plane or saw, as if it were timber, and of holding nails, screws and similar fixtures.

4.5 Keeping Qualities — The keeping qualities shall be such that when stored under cover in a dry place in the original sealed containers under normal temperature conditions, the material shall retain the original characteristics for not less than 6 months from the date of manufacture.

5. PACKING AND MARKING

5.1 The material shall be packed as agreed between the purchaser and the supplier in sound and clean containers of suitable capacity.

5.2 All containers for storage and transport of the material since classified as inflammable and dangerous goods shall, in addition, comply with the latest issue of the Red Tariff issued by the Indian Railways Conference Association, and the requirements as laid down from time to time by the Chief Inspector of Explosives, Government of India for packing, storage and transit of inflammable liquids and the Board of Trade Regulations as applicable thereon for transport by steamers.

5.3 The containers shall be securely closed and marked with the name of the material; manufacturer's name and trade-mark, if any; weight of the materials and month and year of manufacture.

5.3.1 The containers shall also be marked 'HIGHLY INFLAMMABLE' in red letters and 'Flash Point Below 24.4°C'.

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5.3.2 The containers may also be marked with the ISI Certification Mark.

NOTE — The use of the ISI Certification Mark is governed by the provisions of the Indian Standards Institution (Certification Marks) Act and the Rules and Regulations made thereunder. The ISI Mark on products covered by an Indian Standard conveys the assurance that they have been produced to comply with the requirements of that standard under a well-defined system of inspection, testing and quality control which is devised and supervised by ISI and operated by the producer. ISI marked products are also continuously checked by ISI for conformity to that standard as a further safeguard. Details of conditions under which a licence for the use of the ISI Certification Mark may be granted to manufacturers or processors, may be obtained from the Indian Standards Institution.

5.4 The material, when intended for defence purposes, shall be packed and marked in accordance with IS : 5661-1970*.

*Code of practice for packing and marking of packages of paints, varnishes, enamels and allied products.

INDIAN STANDARDS

ON

FILLERS, STOPPERS AND PUTTIES

IS:

- 110-1968 Ready mixed paint, brushing grey filler, for enamels, for use over primers (*first revision*)
- 345-1932 Wood filler, transparent, liquid
- 419-1966 Putty, for use on window frames (*first revision*)
- 421-1953 Jointing paste, for bedding mouldings on coaching stock
- 423-1961 Plastic wood for joiners filler (*revised*)
- 426-1961 Paste filler for colour coats (*revised*)
- 3709-1966 Mastic cement for bedding of metal windows
- 5083-1973 Knifing stopper (*first revision*)

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